

FIG. 2

Hyper Dense Encoder
and Signal Generator

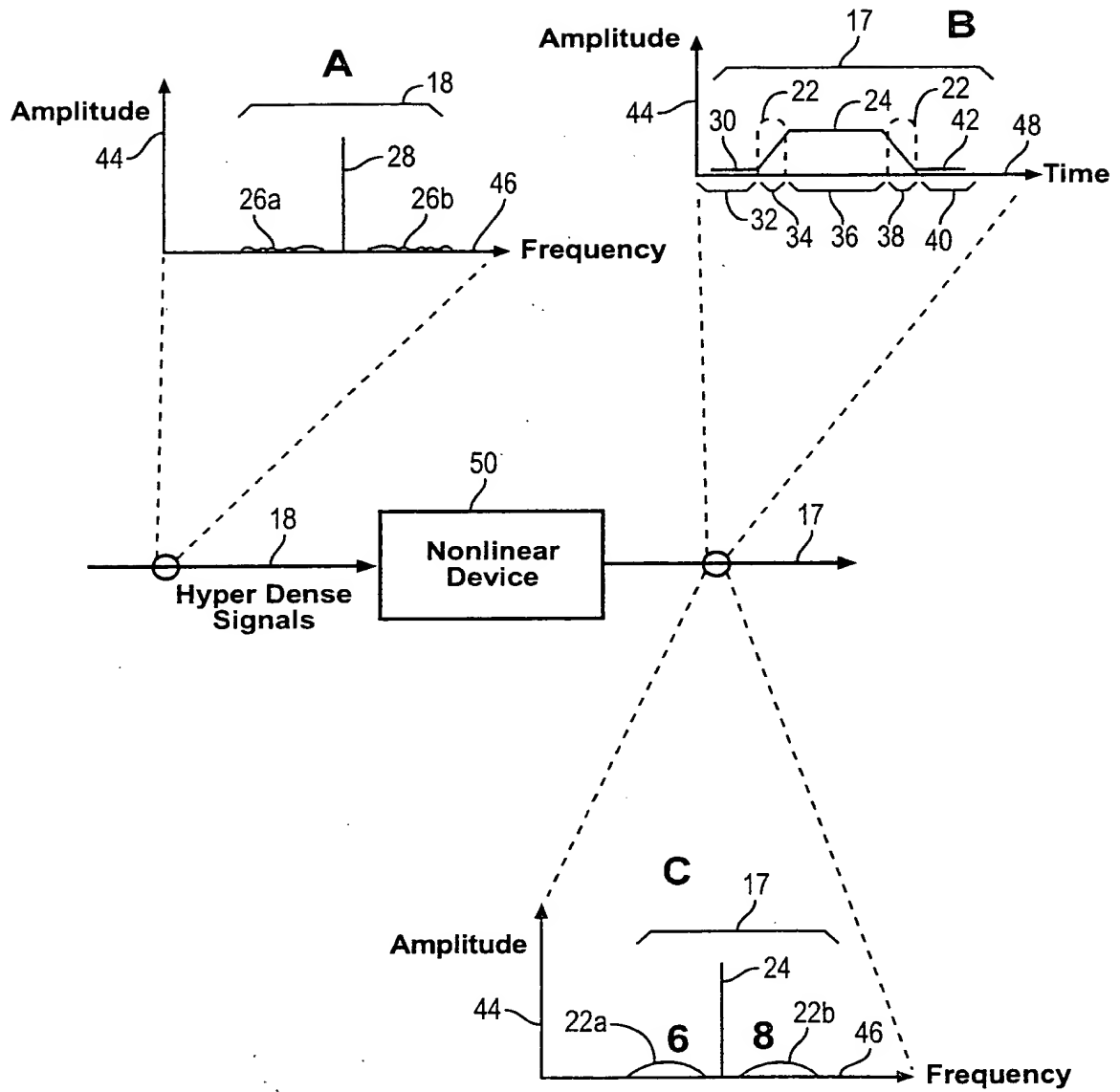


FIG. 3

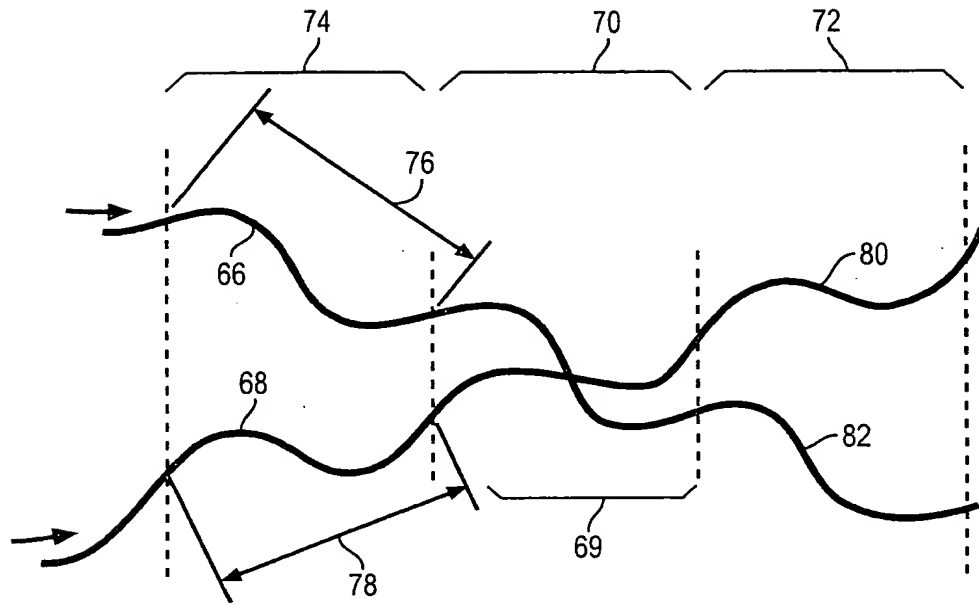


FIG. 4

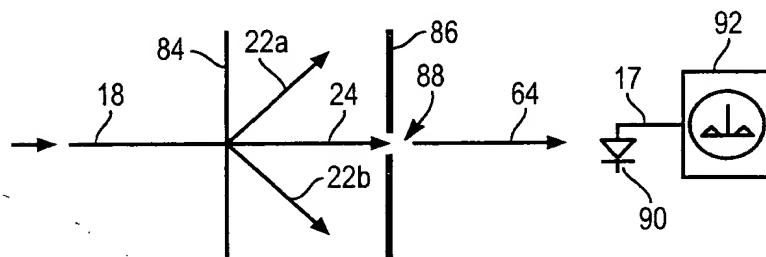


FIG. 5

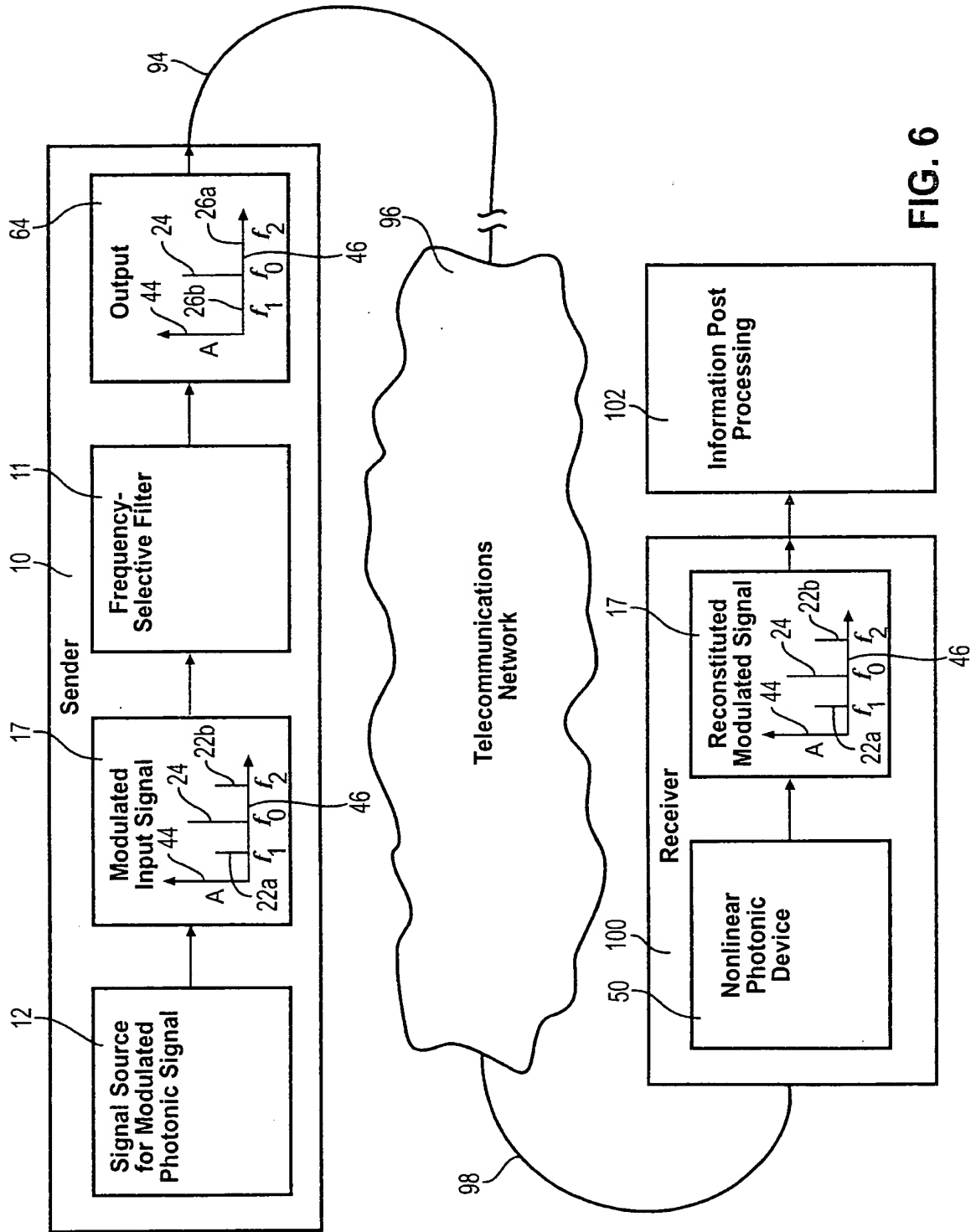
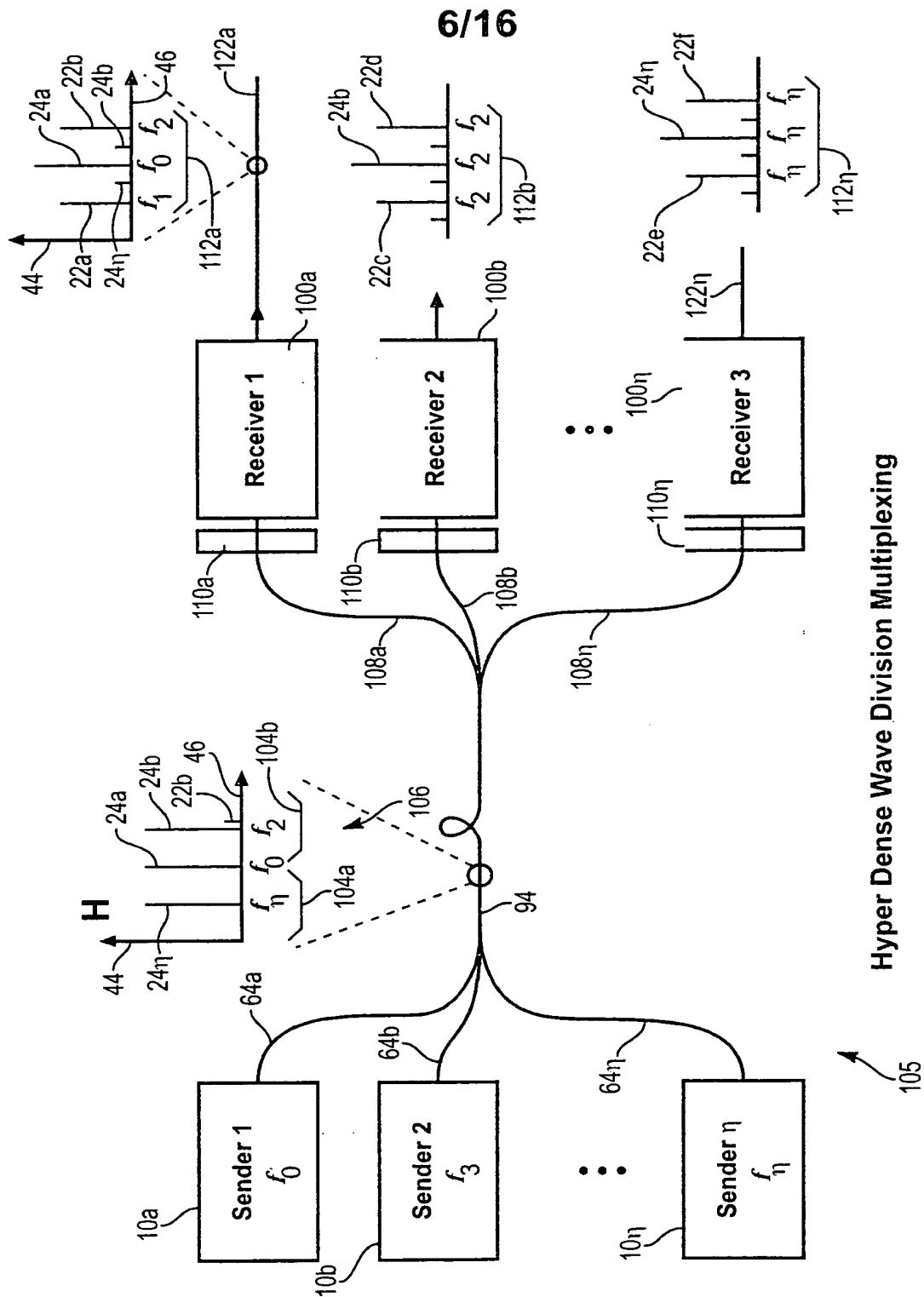


FIG. 6



Hyper Dense Wave Division Multiplexing

FIG. 7

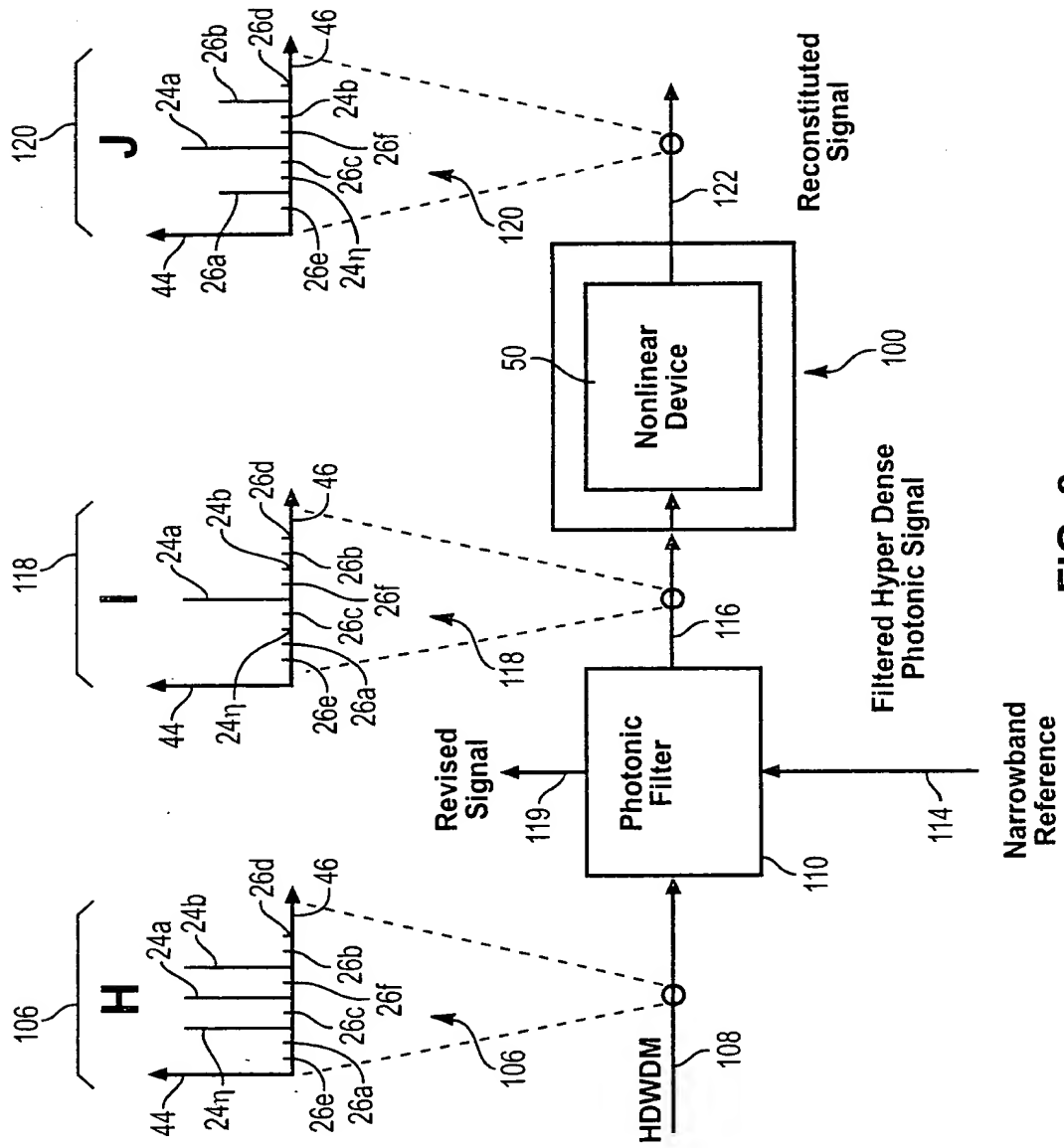


FIG. 8

Hyper Dense Wave Division Demultiplexor (HDWDDM) Using Drop-Filter Band Selection

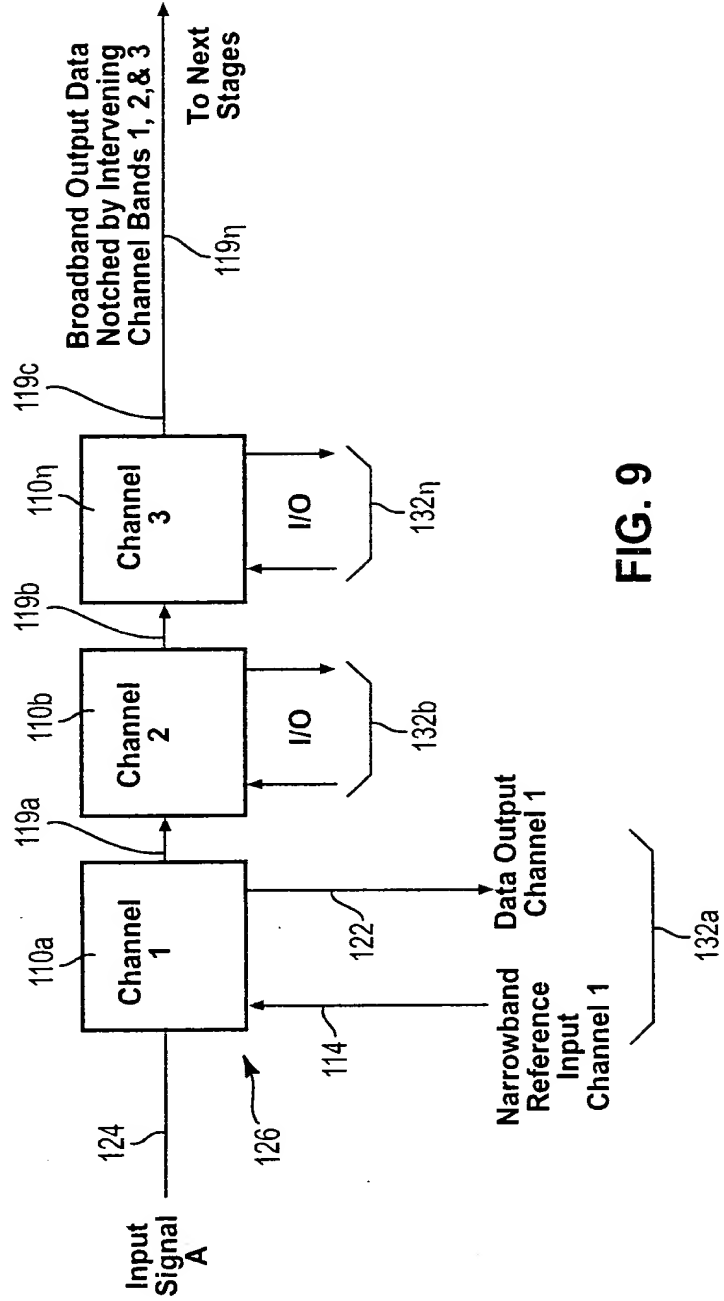


FIG. 9

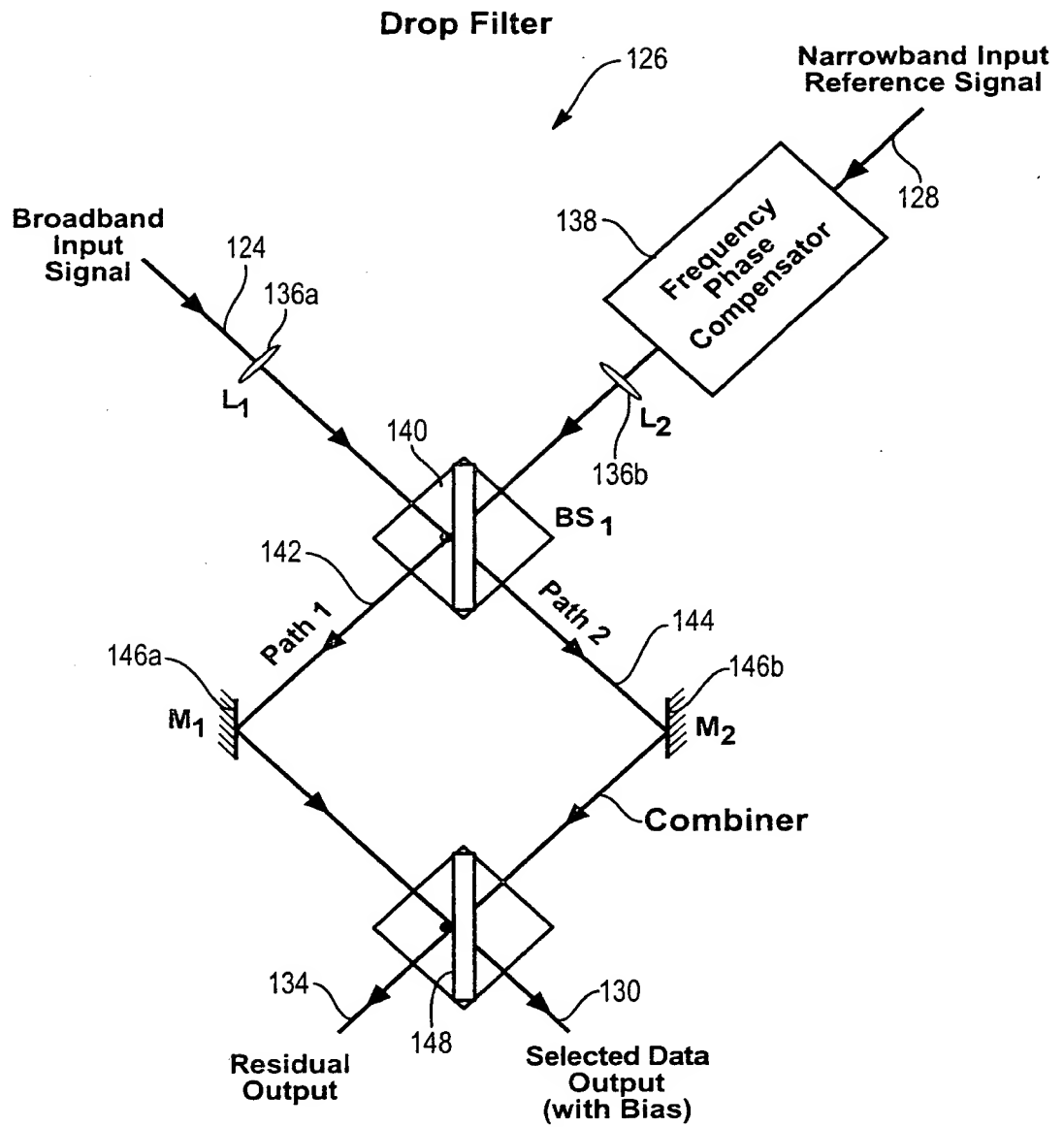


FIG. 10

10/16

**Super Hyper Wave Division Demultiplexor (HDWDDM)
Using Drop Filter Band Selection**

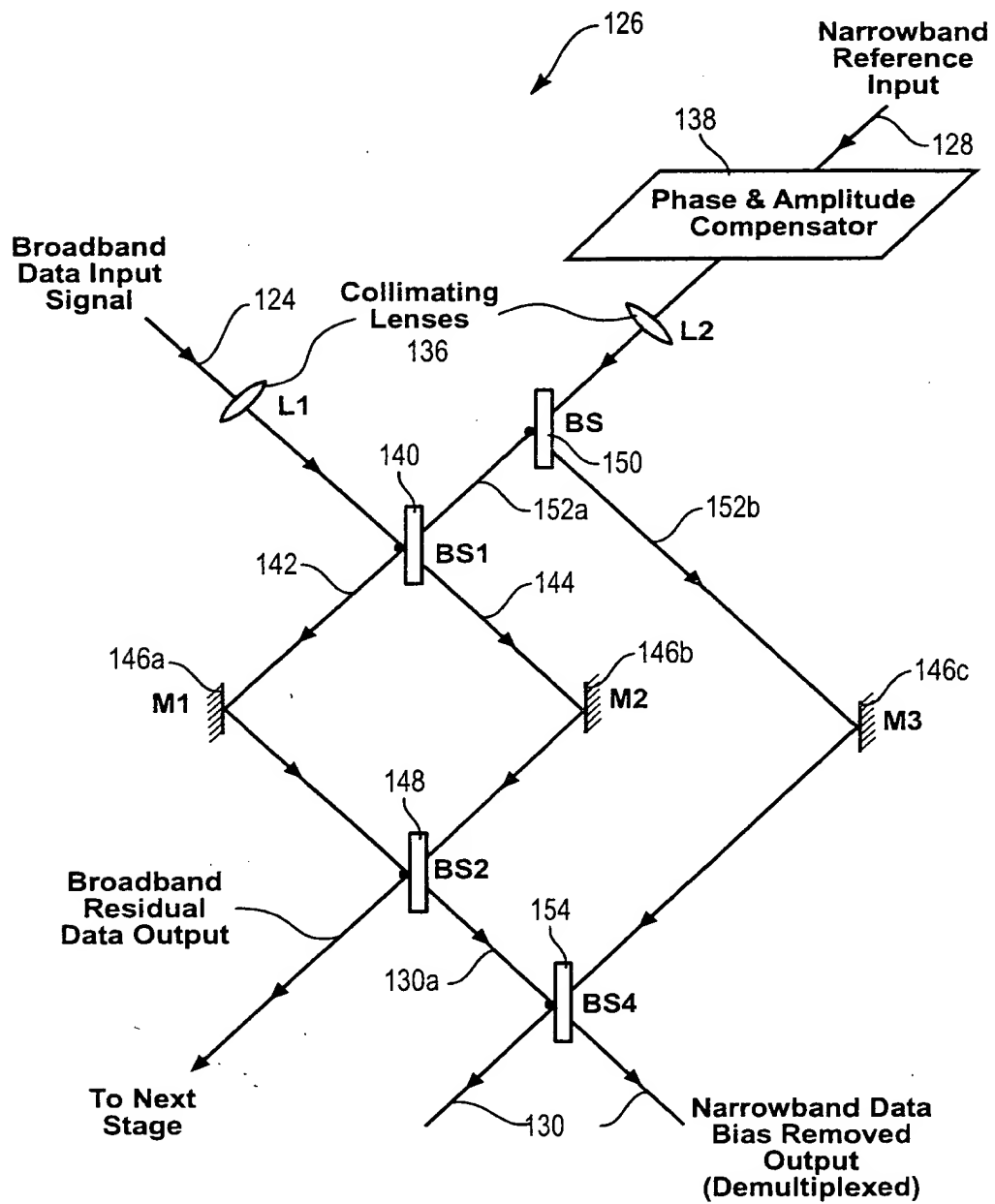
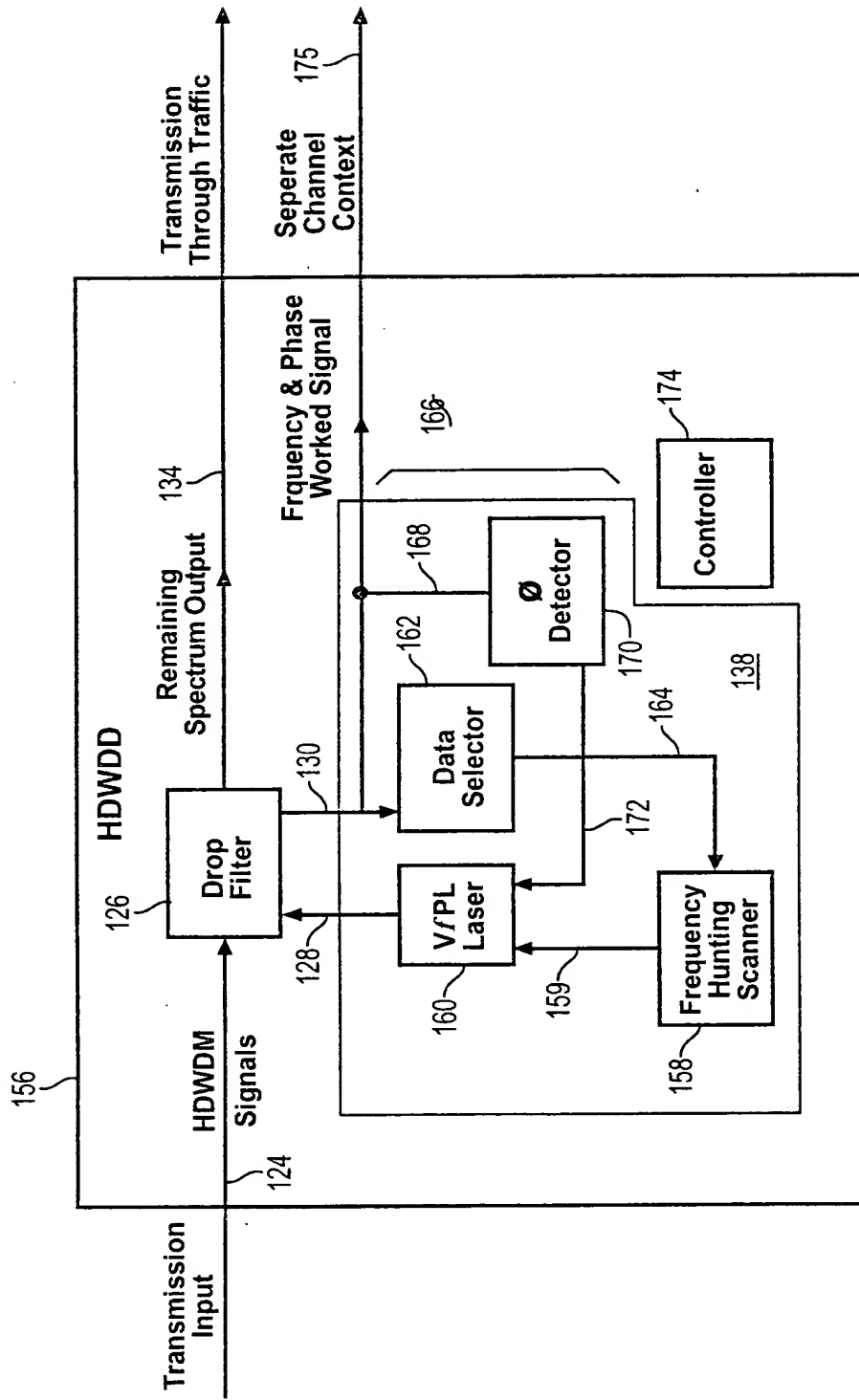


FIG. 11



Hyper Dense Channel Separator

FIG. 12

12/16

Channel-Selection Process

176

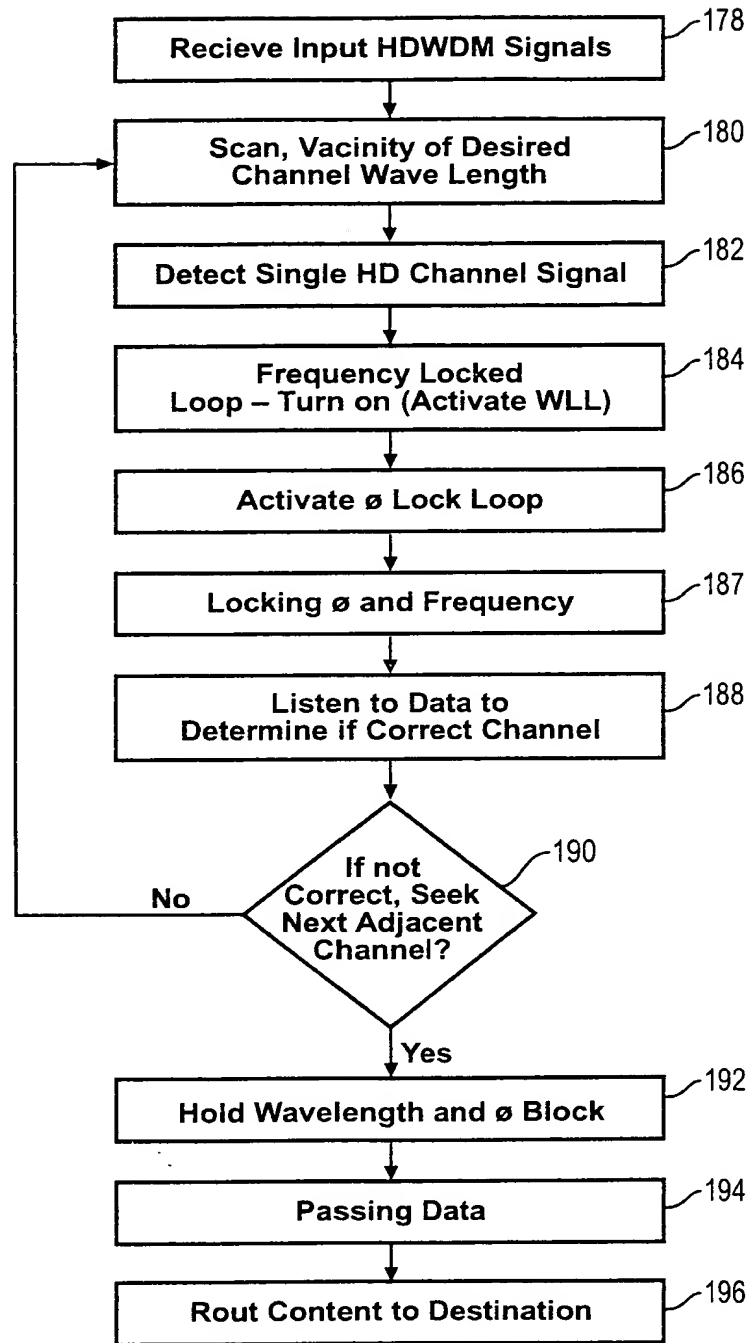
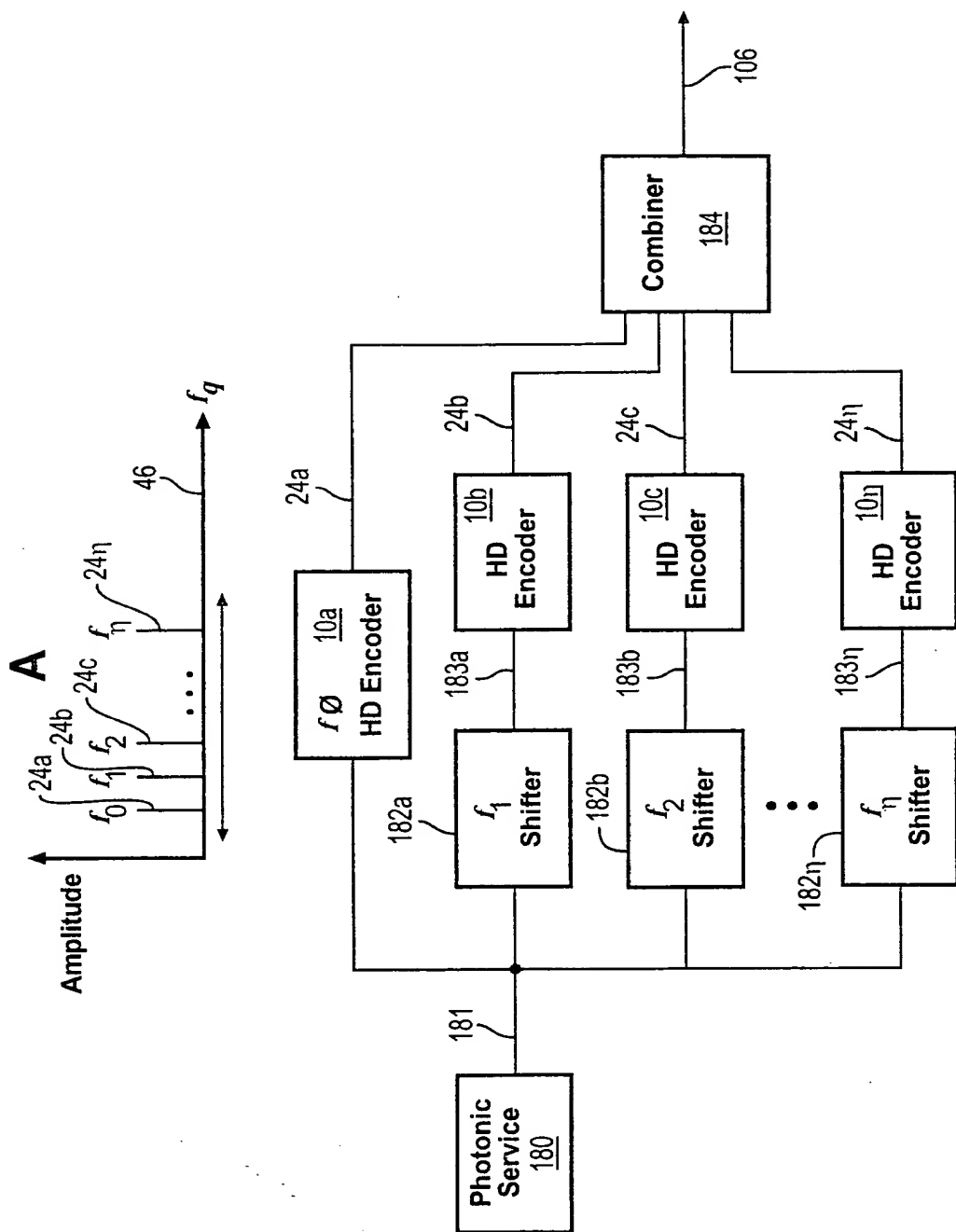
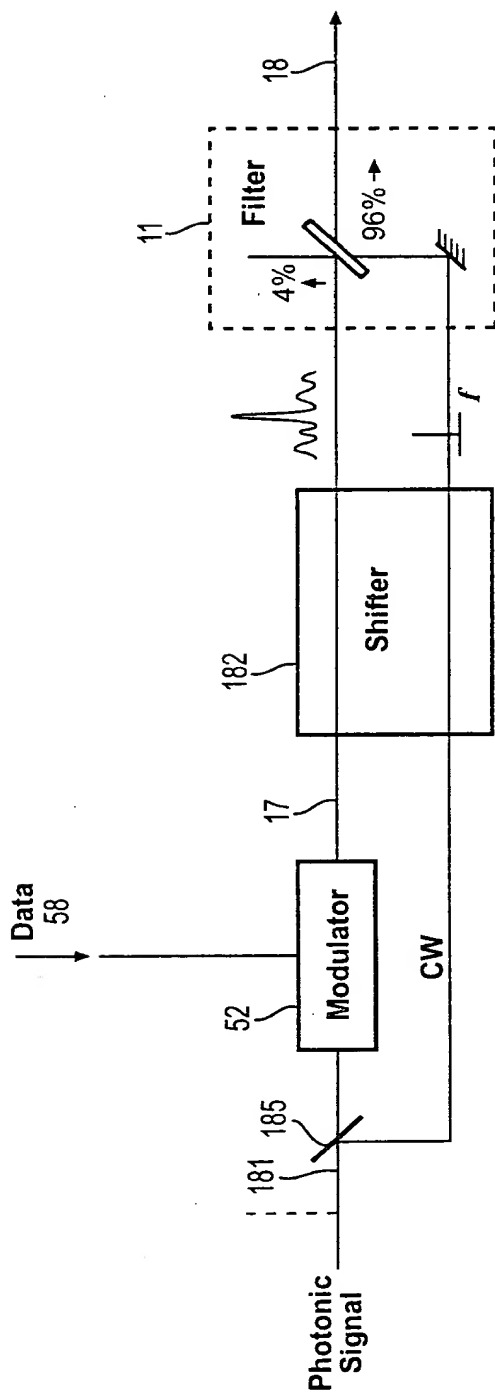


FIG. 13



HDWDM Multiplexer

FIG. 14



Hyper Dense Frequency Shifted Signals

FIG. 15

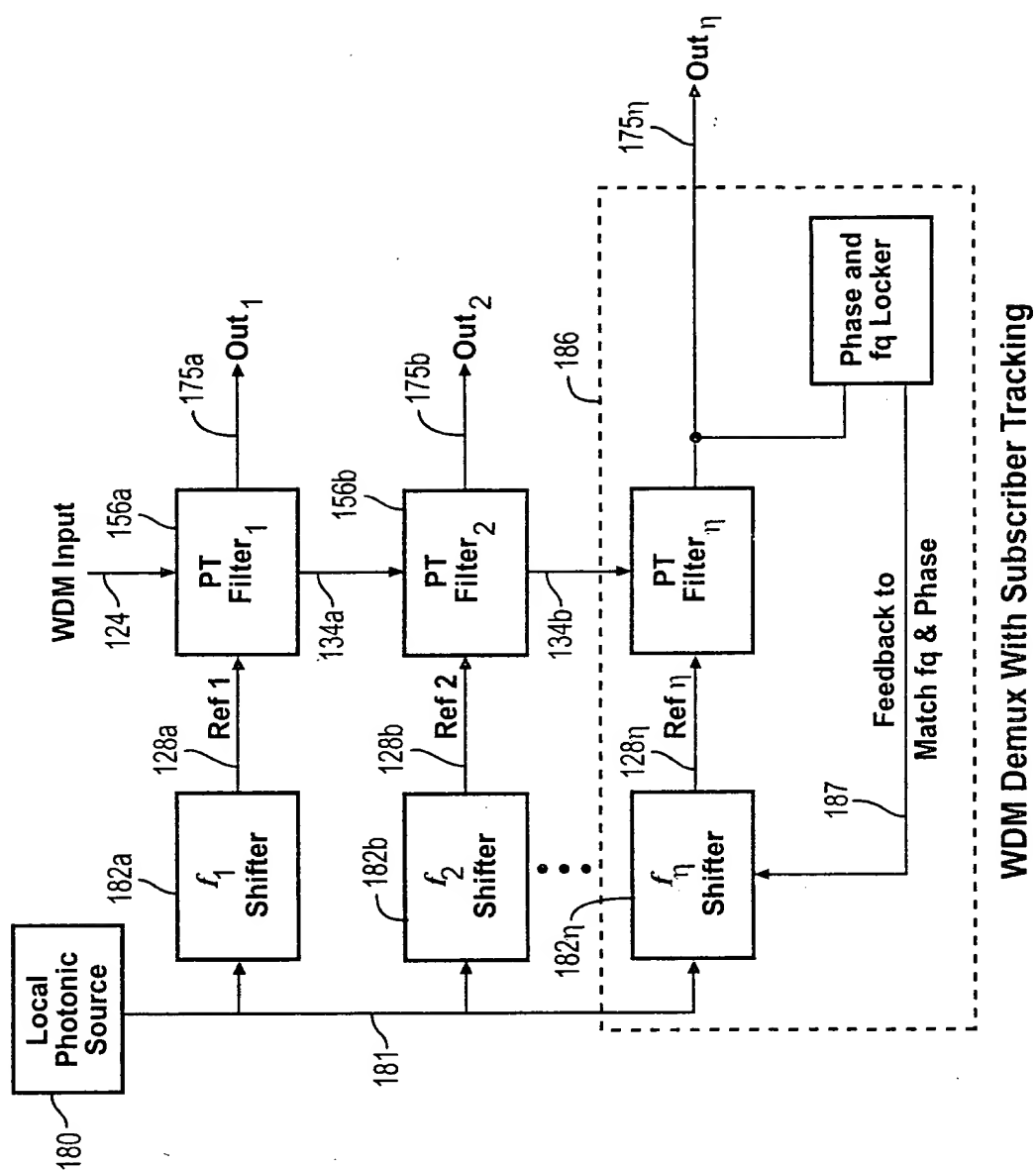
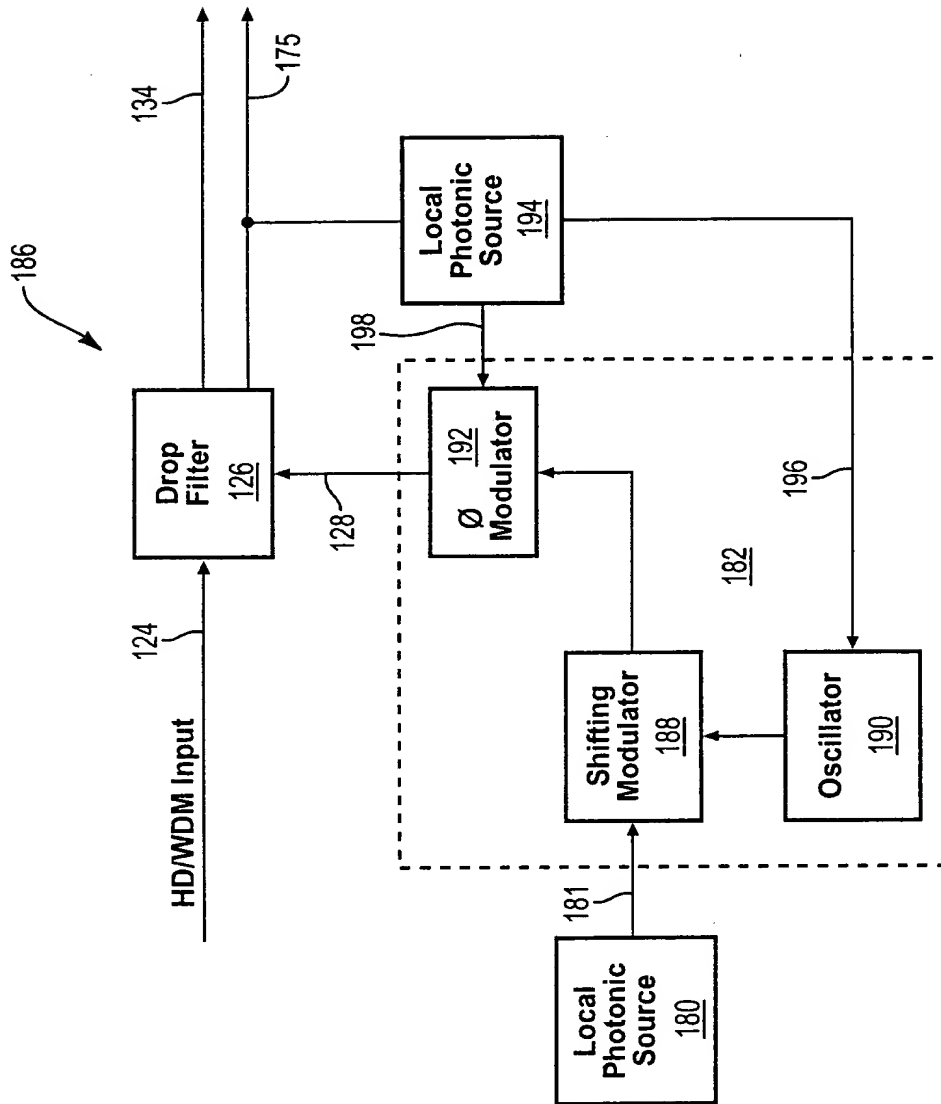


FIG. 16



Channel Separation Assembly

FIG. 17